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CENTRAL INTELLIGENCE AGENCY 25X1 REPORT

TELEFAX INFORMATION REPORT

CD NO

COUNTRY USSR (Tula Oblast)  
SUBJECT Laptevo Machine Factory  
25X1

DATE DISTR 10 March 1952  
NO. OF PAGES 2

PLACE  
ACQUIRED

NO. OF ENCLS 3 (6 pages)  
(LISTED BELOW)

DATE OF  
INFO

25X1 SUPPLEMENT TO  
REPORT NO.

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1. The factory is on the southeastern outskirts of Laptevo (37°41'E/54°27'N), Tula Oblast, east of the railroad line to Tula.
2. The plant, 800 x 600 meters, was constructed between 1937 and 1939 and developed from several small workshops. A workshop for manufacturing centrifugal pumps, the forge and a transformer station were constructed after the war. The centrifugal pump manufactory burned down in 1947, was reconstructed and equipped with capable modern machines from a firm in Berlin. New American machine tools have been stored outdoors in the plant area since 1945. Only a modern automatic screw machine was installed, but soon dismantled because it could not be operated. The large buildings were steel frame structures with brickwork and concrete-slab roofs while the small buildings were of wood. As the power supply was inadequate,

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a power train was parked on a railroad siding in 1946.

3. The work force consisted of about 3,000 laborers working in three shifts.
4. Centrifugal pumps, 50 cm and 80 cm in diameter, mining cars, spare parts for hauling towers etc. were produced in the factory. Four or five 25-ton railroad cars, each loaded with 25 mining cars, left the plant every one or two days. Other products left the plant by truck.
5. The Red Star Plant covered about 500 x 500 meters. After the war it was re-equipped with modern German machinery. A new forge with large windows and sky lights was in the southern part of the plant area.
6. Work force had three shifts, each with about 1,000 laborers, 40 percent women.
7. One-ton mining cars, centrifugal pumps (including a new type 2.5 meters long and 1.3 meters in diameter, with electric motor, in the first stages of production), conveyor belts with electric drive were produced. The presence of a Bulgarian acceptance commission indicated that the mining cars went to Bulgaria.
8. A new steam-hammer forge was constructed after the war, completed in 1948, and equipped with a new 60-ton steam hammer in August 1949. The foundry had one steel furnace, 5 meters high and 2 to 3 meters in diameter; one brass casting furnace, and one iron furnace, 7 meters high and 2 to 3 meters in diameter.

3. Annexes :
1. Location of Laptevo Machine Factory.
  2. Plant layout of Laptevo Machine Factory.
  3. Plant layout of Laptevo Machine Factory.

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Annex

Legend of Annex 2

- 1 New forge, 80 x 35 x 15 meters, completed in September 1949, with two ferro-concrete foundations, 8 x 5 x 4 meters, for two heavy hammers.
- 2 Boiler house with smokestack, 42 meters high  
a Coal dump
- 3 Magazine
- 4 Oxygen station
- 5 Large carpenter shop  
a Sawframe
- 6 Scrap dump
- 7 Pump station
- 8 Storage area of about 100 American machine tools
- 9 Lathe shop and vernishing shop, preliminary works for final assembly
- 10 Final assembly and loading station of dump cars
- 11 Processing and welding of sheet metal
- 12 Cast polishing shop
- 13 Foundry with three high furnaces and one Bessemer converter
- 14 New construction of a workshop, burned down in 1947, equipped with 40 new machine tools and two large automatic turning and boring mills for the processing of hauling-tower wheels
- 15 Four-story administration building
- 16 Three-story administration building
- 17 Kitchen
- 18 Wooden cantonment building, guard quarters and first-aid station
- 19 Pump house
- 20 Pump department, final assembly and loading of pumps
- 21 Main magazine, middle section solidly constructed stone building, east section wooden structure with coke storage

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Annex

- 22 PW camp No. 7323/1
- 23 Mechanical workshop and varnishing shop
- 24 Gasoline and oil depot, wooden building  
with three dug-in tanks with filling and  
pumping devices
- 25 Transformer station
- 26 New transformer station, multi-story build-  
ing, 100 meters long, completed in 1943,  
not in operation.

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Annex

Legend of Annex 3

- 1 New forge, 80 x 45 meters, with large windows and skylights and three steam hammers of 3.2 and 1 tons weight, traveling crane and forging furnace under construction.
- 2 Boiler house, brick building, 30 x 25 meters, with three boiler sets, one in operation
- 3 Coal dump
- 4 Sawframe
- 5 Carpenter shop, wooden building, 60 x 40 meters
- 6 Acid station, two-story brick building, 7 x 7 meters
- 7 Timber dump
- 8 Magazine, wooden building, 40 x 15 meters, storage of new electric motors which, according to inscriptions, came from Dnepropetrovsk and Kiev
- 9 Foundry molding shop and polishing shop, 70 x 60 meters, with two furnaces and three traveling cranes
- 10 Assembly shop
- 11 Lathe shop for dump car axles, 30 x 10 meters
- 12 Electrical department
- 13 Twin-workshop, 80 x 40 meters, with 50 to 60 large machine tools, including three boring and turning mills, 3 to 4 meters in diameter. Most of the other machine tools are lathes.
- 14 Administration, three-story brick building, 30 x 10 meters
- 15 Magazine, constructed of corrugated iron, depot for machine spare parts
- 16 Scrap dump
- 17 Pump department, 60 x 25 meters
- 18 Cantonment building of plant police
- 19 Unidentified cantonment building
- 20 PW camp No. 7323/1
- 21 Paved main street.

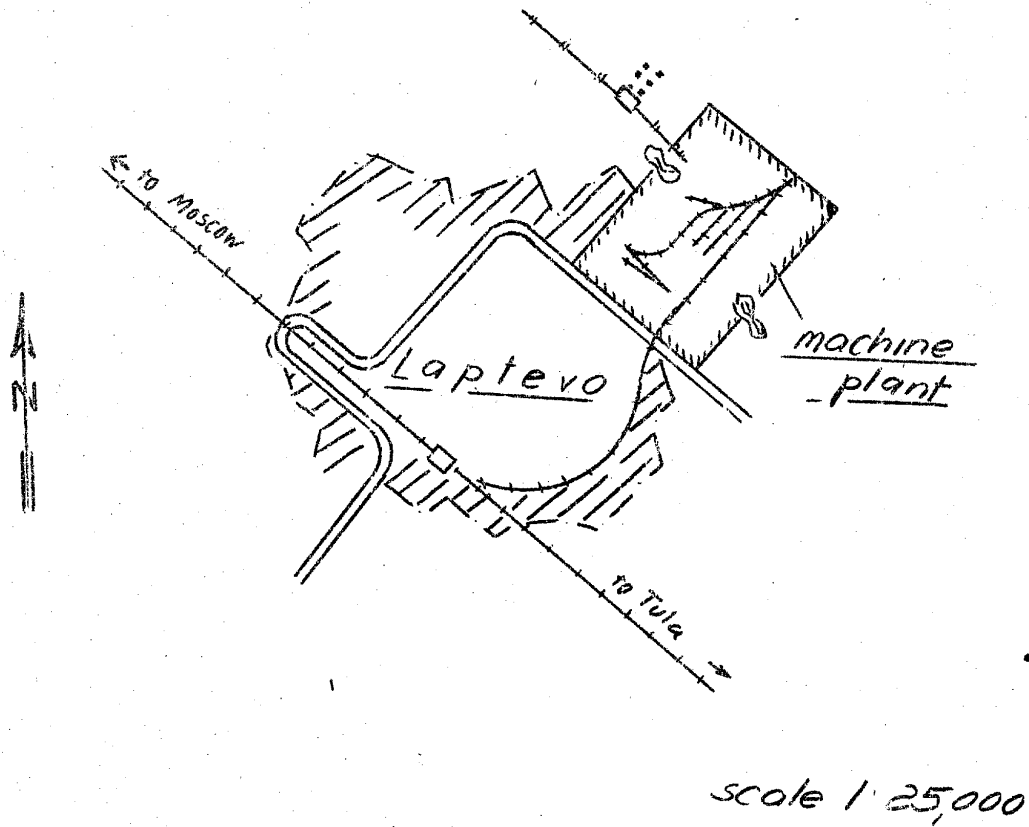
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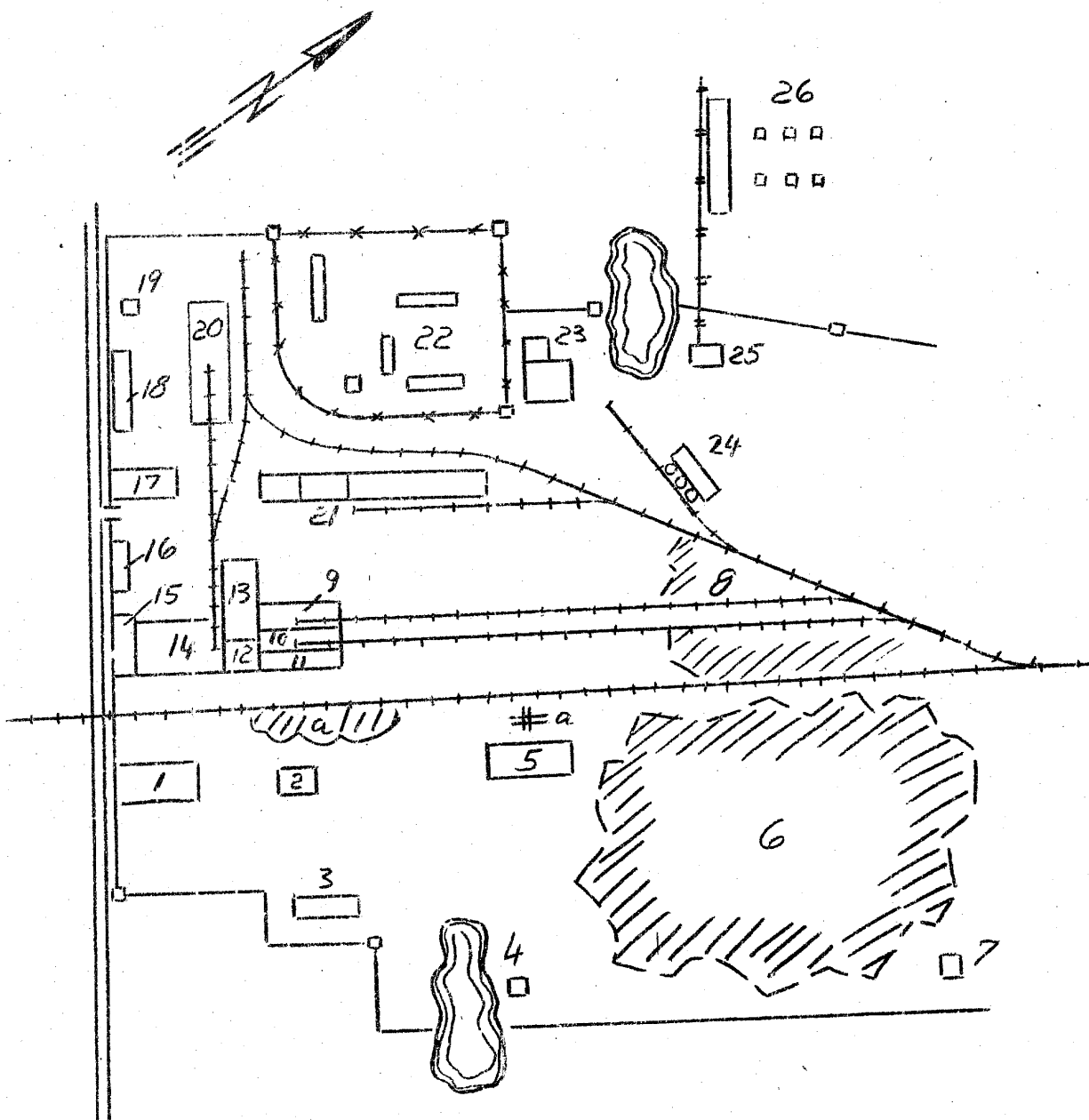
Location of Laptevo Machine Factory.



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CENTRAL INTELLIGENCE AGENCY  
Plant Layout of Laptevo Machine Factory

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scale 1:5,000

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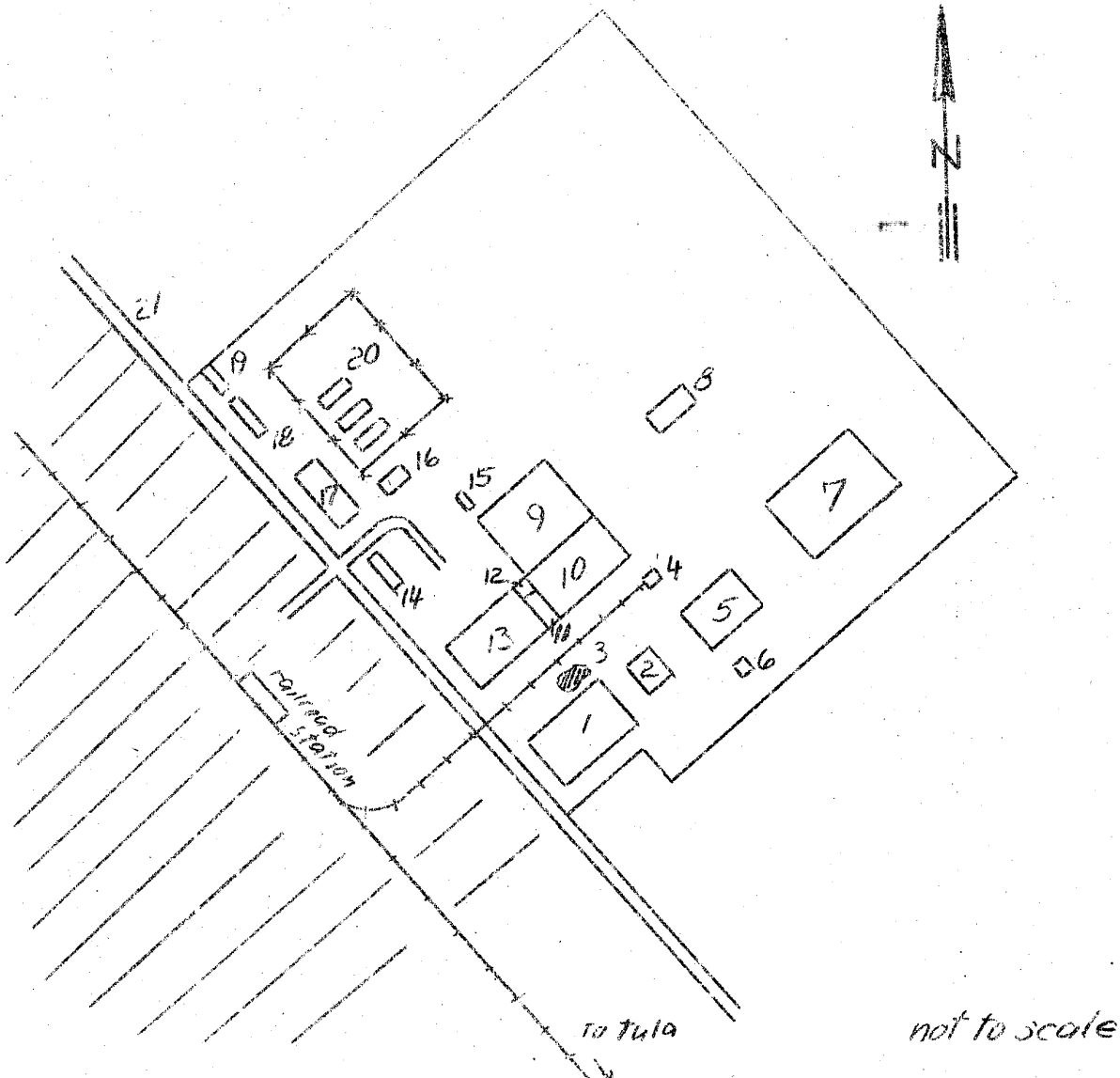
Annex 3

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Plant layout of Lantovo Machine Factory



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